CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER:

20-574

CHEMISTRY REVIEW(S)

REVIEW DATE: 10/26/98

10/26/98

DIVISION OF SPECIAL PATHOGENS AND IMMUNOLOGIC DRUG PRODUCTS

Review of Chemistry, Manufacturing, and Controls

CHEM.REVIEW #: 1

SUBMISSION/TYPE	DOCUMENT DATE	CDER DATE
ORIGINAL	11/25/97	11/25/97
Amendment (NC)	1/30/98	2/2/98
Amendment (NC)	8/7/98	8/10/98
Amendment (NC)	8/17/98	8/18/98

10/23/98

NAME & ADDRESS OF APPLICANT:

Schering-Plough HealthCare Products (SPHCP) 110 Allen Road Liberty Corner, New Jersey 07938 Ph# (908) 604-1741

CONTACT:

NDA #: 20-574

Amendment (NC)

Ronald J. Garutti, M.D. Vice President, Clinical Research/Regulatory Affairs

DRUG PRODUCT NAME:

Proprietary: Gyne-Lotrimin 3 Vaginal Cream

Established: Clotrimazole Vaginal Cream, USP

Code #: SCH 15335L; Bay b5097; Bay 5097

PHARMACOLOGICAL CATEGORY/INDICATION:

Treatment of vulvovaginal candidiasis.

DOSAGE FORM: Vaginal Cream

STRENGTHS: 2% cream, 100 mg per applicator ROUTE OF ADMINISTRATION: Intravaginal

Rx/OTC: OTC

CHEMICAL NAME, STRUCTURAL FORMULA, MOLECULAR FORMULA, MOLECULAR WEIGHT:

CAS-23593-75-1; $C_{22}H_{17}N_2Cl$; MW=344.85 1-(o-Chloro- α , α -diphenylbenzyl)imidazole

SUPPORTING DOCUMENTS:

NDA 17-450	NDA 18-520; NDA 18-592; NDA 18-888;
NDA 20-288; NDA 20-670	
DELATED DOCUMENTS: 7/2	

CONSULTS:

Trademark review (complete 5/14/98, satisfactory).
Site inspection (complete 4/21/98, satisfactory).
Environmental Assessment (categorical exclusion request acceptable).
Microbiology consult (complete 8/21/98, satisfactory).

REMARKS/COMMENTS:

This NDA is a resubmitted by Schering-Plough HealthCare Products application, that was originally submitted on April 27, 1995 and withdrawn on January 29, 1996. The sponsor states that the resubmission is in essentially the same format as the original NDA. The CMC review of the original submission was done by Dr. David Katague and is attached to the current review. Items that were reviewed and found acceptable in the original review, are not repeated in the current review. There are two CMC post-approval commitments that were agreed to by the applicant and the FDA regarding the specifications for both drug substance and drug product, which will be submitted through prior-approval supplements to this NDA. These commitments are listed on page 14 of this review and will be included in the NDA action letter.

CONCLUSIONS & RECOMMENDATIONS:

The NDA submission and amendments provide adequate information on the chemistry, manufacturing and controls for the production of Gyne-Lotrimin 7 Vaginal Cream. The related GMP and product specific inspections of the manufacturing facilities have been completed and found satisfactory. From the chemistry, manufacturing and controls viewpoint, the NDA is recommended for approval.

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Dorota Matecka, Ph.D. Review Chemist, HFD-590

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10/30/98

Norman R. Schmuff, Ph.D. Team Leader, HFD-590

cc: Org. NDA 20-574

HFD-590/Division File

HFD-590/Team Leader/NSchmuff

HFD-830/DivDir/CChen

HFD-590/Chem/DMatecka

HFD-590/MO/JWinfield

HFD-590/Pharm/OMcMaster

HFD-590/Micro/LGo sey

HFD-590/CSO/CChi

District Office

DIVISION OF ANTI-INFECTIVE DRUG PRODUCTS Review of Chemistry, Manufacturing, and Controls

NDA #: 20-574 CHEM.REVIEW #: 01 REVIEW DATE: 11-JAN-96

SUBMISSION/TYPE DOCUMENT DATE CDER DATE ASSIGNED DATE

ORIGINAL 27-APR-95 27-APR-95 05-MAY-95

NAME & ADDRESS OF APPLICANT: Schering-Plough Health Care

110 Allen Road

Liberty Corner, New Jersey

John M. Clayton, Ph. D.

(908) - 604 - 1986

DRUG PRODUCT NAME

CONTACT PERSON:

Proprietary: Gyne-Lotrimin 3tm 3-Day Vaginal Cream

Nonproprietary: 200mg

Clotrimazole Vaginal Cream Code Names/#'s: SCH 15335L

Chemical Type/ Therapeutic

Class: 5 S

ANDA Suitability Petition/DESI/Patent Status: N/A

PHARMACOLOGICAL CATEGORY/INDICATION: Clotrimazole is a synthetic organic antifungal agent of the imidazole class of drugs, used for the topical treatment of vulvovaginal candidiasis.

DOSAGE FORM: Vaginal Cream

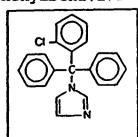
STRENGTHS: 200 mg

ROUTE OF ADMINISTRATION: Intravaginally DISPENSED: _ Rx <u>X</u> OTC

CHEMICAL NAME, STRUCTURAL FORMULA, MOLECULAR FORMULA, MOL.WT:

1-(o-chloro-alpha, alpha-diphenylbenzvl)imidazole

M.W = 344.84C22H17ClN2



SUPPORTING DOCUMENTS:

NDA's 17-613; 17-619; 17-717; 18-052; 18-182; 18-183; 18-827; 19-069; and 20-525

NDA 18-052, 1% intravaginal clotrimazole cream administered once-a-day for 7 consecutive days for treatment of vulvovaginal candidiasis, was approved on November 8, 1978.

On November 30, 1990, the 1% clotrimazole intravaginal cream administered once-a-day for 7 consecutive days was approved for OTC purchase by non-pregnant women with self-recognized vaginal candidiasis.

RELATED DOCUMENTS (if applicable):

NDA 20-525(6), Gyne-Lotrimin 3tm 3-day Vaginal Inserts Plus, Schering-Plough Health Care Products: Document Date: 30-SEP-94.

CONSULTS:

None

REMARKS/COMMENTS:

The sponsor claims that the administration of the 7-day 1% and 3-day 2% clotrimazole cream have been effective and without significant side effects. In addition, the greater convenience of a 3-day compared to a 7-day regimen may result in greater patient compliance. The sponsor also claims that the 3-day therapy will not compromise either clinical or mycocidal efficacy.

CONCLUSIONS & RECOMMENDATIONS:

The application is not approvable for manufacturing and controls under section 505 of the Act. Specific items which are not approvable are identified under the following headings: Drug Product composition, Specifications and Methods, Drug Product Manufacture-in Process Control and testing, Drug product-sampling plan and specifications. An

15/ 01/11/96

D. B. Katague, Review Chemist

cc: Orig. NDA 20-574

HFD-520/Division File

HFD-520/Katague

HFD-520/MO/Winfield

HFD-520/Pharm/Adeyemo

HFD-520/Micro/Utrup

HFD-520/CSO/Chi

HFD-520/SUPERVISOR/SRoy

R/D Init by: SUPERVISOR